



### General

The alarm must be installed in accordance with these instructions.

- Select a suitable location for the alarm with regard to the area to be covered by the alarm.
- The surface should be flat in the area of the fixings and the material suitable to carry the weight of the alarm.
- The cable must be connected to the alarm via a sealed component and this must be located adjacent to the cable entries in the alarm body.
- Suitable sealing devices are a sealed threaded nipple or a sealed gland; the choice of device depends upon the gas group applicable to the installation and on the chosen installation method.
- There are two entries to the alarm body and one or both may be used depending upon the number of cable cores required by the system arrangement.
- It is preferable that the cable and its seal be fitted at the factory or approved workshop; however the method for assembling the cable and sealed components is described below.

### Cable connection

- 2 cable entry holes (M20x1.5 -6H) are provided to accommodate any suitable Ex certified flameproof cable entry device, thread adaptor or stopping plug certified as Equipment (not a Component).
- In order to maintain IP66 rating the thread needs to be sealed in accordance with IEC/EN 60079-14.
- Cable entry temperature may reach 70°C.
- The terminals accept wires of up to 2.5 mm<sup>2</sup>.

### INTERCONNECTION OF ALARMS

Alarms may be connected in parallel, that is, up to ten alarms with common supplies may be connected as a single system loop. Both sets of terminals should be used to provide an 'in' and 'out' connection.

### SYSTEM OPTIONS

Operating supply voltage            12/24/48Vdc or 115/230Vac

### EARTHING

- The alarm must be connected to a good quality earth.
- The internal earth connection must be used.

### **WARNING: POSSIBLE ELECTROSTATIC RISK**

### Special Conditions for Safe Use

'Callpoints are a potential electrostatic risk and must only be cleaned with a damp cloth'

Switch rating must not exceed 5A and therefore a suitable fuse or similar device must be used.


**THESE INSTRUCTIONS MUST BE READ AND UNDERSTOOD BEFORE CARRYING OUT ANY WORK ON THE ALARM.**

Do not discard any packing material until installation is complete.

**THIS ALARM MUST BE INSTALLED BY COMPETENT PERSONNEL.**

**This alarm is certified in accordance with the ATEX Directive 94/9/EC. The certificate number and its associated marking is :**

**Baseefa08ATEX0269X**

CE1180  II 2 GD - Ex d IIC T6 Gb (Tamb -55°C to +70°C)  
- Ex tb IIIC T 85°C Db IP66 A21 (Tamb -55°C to 70°C)

**This alarm is certified in accordance with the IEC60079-0:2004 Edition 4 and IEC60079-1:2007 Edition 6. The certificate number and its associated marking are as follows :**

**IECEX08.0089X**

- Ex d IIC T6 Gb (Tamb -55°C to +70°C)  
- Ex tb IIIC T 85°C Db IP66 A21 (Tamb -55°C to 70°C)

No alteration is allowed. If the unit becomes faulty, it must be returned to the manufacturer.

**This equipment is designed and manufactured to protect against other hazards as defined in paragraph 1.2.7 of Annex II of the ATEX Directive 94/9/EC.**

### INSTALLATION AND OPERATING INSTRUCTIONS

This product is a Manual Call Point alarm approved for use in potentially explosive atmospheres. It has been ATEX and IEC Ex certified by Baseefa using EN60079-0 and EN60079-1 and other relevant IEC standards.

This product meets the requirements of standards BS EN 60529: 1992, Degree of Protection IP66.

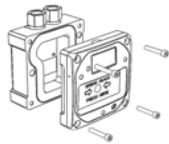
### IMPORTANT

- Particular care is needed when removing or replacing components which form part of the flameproof enclosure.
- Exposed joint surfaces must be protected and not have contact with dust or dirt, or be knocked against any object

**Clifford & Snell**  
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## SETTING UP



The unit is supplied assembled and comprises of three moulded parts as shown.

It is necessary to remove the backbox to wire the unit .

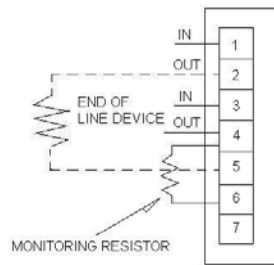
Remove the 4 screws to access the backbox

After wiring, replace the four screws and tighten to the recommended torque 6 - 6.5Nm

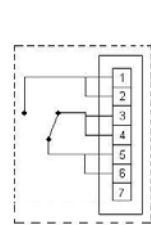
## WIRING / CONNECTIONS

MAKE TERMINAL CONNECTIONS TO CALL POINT.

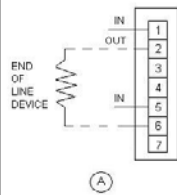
NORMALLY OPEN WITH SERIES MONITORING



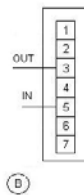
INTERNAL SWITCH CONNECTIONS ARMED



NORMALLY OPEN



NORMALLY CLOSED



WHEN SUPPLIED WITHOUT THE MONITORING RESISTOR THE CALLPOINT SHOULD BE CONNECTED AS SHOWN IN (A) OR (B) ABOVE

THE CALLPOINT IS AVAILABLE IN TWO VERSIONS - SUPPLIED WITH OR WITHOUT A MONITORING RESISTOR. THE VERSION WITH THE MONITORING RESISTOR SHOULD BE CONNECTED AS SHOWN ABOVE. CHECK PANEL INSTRUCTIONS TO ENSURE THE CORRECT VALUE OF THE RESISTOR IS FITTED.

IF NOT REQUIRED, REMOVE AND CONNECT AS SHOWN IN (A) OR (B)

RATINGS: VAC : 250V MAX 12V MIN CONTACT RESISTANCE : 50 MILLIOHM MAX  
 I<sub>MAX</sub> : 5A RESISTIVE CONDUCTOR SIZE : 2.5 SQ MM MAX PER TERMINAL  
 VDC : 30V MAX 12V MIN

## TEST SEQUENCE



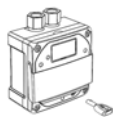
TO TEST THE OPERATION OF THE ALARM:

Insert the key into the keyhole as shown and lift the shroud.

Rotate the key clockwise until the glass slips down and the alarm is activated.

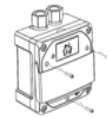
Allow the key to move to its original location (glass returns to its original level. position).

Now remove key completely. (NB Removal of the key is only possible with the glass levelled in the armed position)

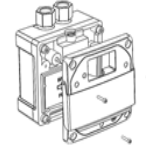


## GLASS REPLACEMENT

Note: Integrity of the flameproof enclosure is not affected by this operation.

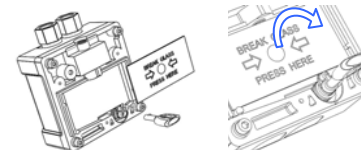


Remove the three screws from the front of the unit as shown



Take off the front moulding and used glass.

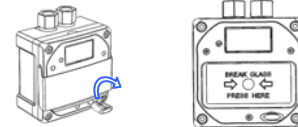
Ensure any remaining broken glass is completely removed.



Insert the new glass into the frame and turn the cam clockwise

(using the supplied key) to help locate the glass in place as shown.

Now release the key and remove it completely.



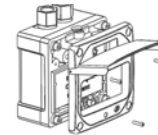
Fit the front moulding back onto the middle moulding.

Insert the key with tab facing upwards and turn the cam

clockwise whilst fitting the moulded parts together.

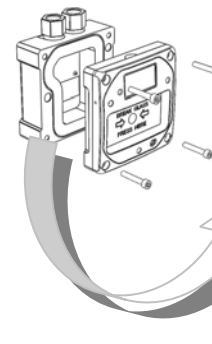
(NB: key tab must always face upwards when engaging the cam

Check the text on the glass is level before re-tightening the 3 screws.



Ensure the 3 screws are fitted to re-affix the front moulding.

## WALL MOUNTING



To wall mount the unit, unscrew the four outer screws as shown and separate the two mouldings.

WALL FIXING POINTS clearance for M5 fixings